3H

	Application No.	Applicant(s)
Notice of Allowability	09/761,594	HACKE ET AL.
	Examiner	Art Unit
	John T. Haran	1733
The MAILING DATE of this communication appears on the cover sheet with the correspondence address All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.		
1. This communication is responsive to the rce filed on 6/14/04.		
2. The allowed claim(s) is/are <u>1,3-5,11-15,17-21 and 23</u> .		
3. The drawings filed on 1/16/01 are accepted by the Examiner.		
 4. Acknowledgment is made of a claim for foreign priority ur a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). * Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 5. A SUBSTITUTE OATH OR DECLARATION must be submin INFORMAL PATENT APPLICATION (PTO-152) which give 	e been received. e been received in Application No cuments have been received in this of this communication to file a reply MENT of this application.	national stage application from the complying with the requirements
 6. CORRECTED DRAWINGS (as "replacement sheets") must be submitted. (a) including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d). 		
7. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.		
Attachment(s) 1. ☐ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/C Paper No./Mail Date 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material	6. ☑ Interview Summary Paper No./Mail Da 08), 7. ☑ Examiner's Amend	ate <u>6/24/04</u> .

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Election/Restrictions

1. Claims 11-12 and 18 are rejoined because generic claims 1 and 3 are allowed.

EXAMINER'S AMENDMENT

- 2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.
- 3. Authorization for this examiner's amendment was given in a telephone interview with Laurence Greenberg on 6/24/04.
- 4. The application has been amended as follows:

In The Claims:

In claim 3, in the line beginning "forming openings", insert - - second passivation layer and the - - between "the" and "at".

- 5. Claims 1, 3-5, 11-15, 17-21, and 23 are allowed.
- 6. The following is an examiner's statement of reasons for allowance:

The prior art of record fails to suggest the claimed semiconductor device in chip format and method for producing a semiconductor device in chip format, particularly having the claimed arrangement of the first passivation layer, interconnect, second passivation layer, and insulating layer in combination with the other claimed features.

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Akagawa et al (EP 0734059) teaches having from bottom to top a passivation layer, a first insulation layer, an interconnect, and then a second insulation layer. There is no suggestion of having the claimed arrangment from bottom to top of a first passivation layer, an interconnect, a second passivation layer, and an insulating layer.

7. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to **John T. Haran** whose telephone number is **(571) 272-1217**. The examiner can normally be reached on M-Th (8 - 5) and alternate Fridays.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Richard Crispino can be reached on (571) 272-1226. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

John T. Haran

JEFF H. AFTERGUT PRIMARY EXAMINED GROUP 1300